

**STATE OF UTAH
DIVISION OF WATER QUALITY
DEPARTMENT OF ENVIRONMENTAL QUALITY
SALT LAKE CITY, UTAH**

§401 Water Quality Certification No. DWQ-2019-05002

Pursuant to §401 of the *Federal Clean Water Act*(CWA), the Utah Department of Environmental Quality (DEQ), Division of Water Quality (DWQ) certifies that the applicant has provided reasonable assurance that any discharges associated with the proposed project will not violate surface water quality standards, or cause additional degradation in surface water not presently meeting water quality standards. In accordance with Section 401(a)(1) of the CWA [33 U.S.C. Sec. 1341(a)(1)], DWQ hereby issues this §401 Water Quality Certification provided any listed conditions are met and included in the corresponding U.S. Army Corps of Engineers (USACE) 404 Permit.

Applicant: I-215 Land, LLC
Bruce Nelson
5292 South College Drive, #203
Murray, UT 84123

Project: The applicant is proposing to construct two commercial warehouse distribution-type buildings and associated infrastructure. The project site is approximately 27.44 acres and contains four wetlands. One wetland will be avoided and provided a 50 foot buffer, but three will be filled according to the project plan. The anticipated wetland impacts totals 0.26 acres. Additionally, 800 linear feet of Reclamation Ditch is proposed to be relocated to 937 feet of buried 36-inch or 42-inch reinforced concrete pipe (RCP). The applicant proposes mitigation for the loss of wetlands via purchase of Mitigation credits from the Machine Lakes Mitigation Bank.

Location: The project is located at approximately 2280 North 2200 West, Salt Lake City, UT and Latitude 40.81688, Longitude: -111.951628.

Watercourse(s): Three Palustrine Emergent Wetlands (0.190 acre, 0.062 acre, and 0.010 acre).

Effective Date: **June X, 2019**

Erica Brown Gaddis, PhD
Director, Division Water Quality

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I. Background

A. Other Applicable Permits

1. USACE Letter of Permission

B. Project and Site Description

The applicant is proposing to construct two commercial warehouse distribution-type buildings and associated infrastructure. The project site is approximately 27.44 acres and contains four wetlands. One wetland will be avoided and provided a 50 foot buffer, but three will be filled according to the project plan. The anticipated wetland impacts totals 0.26 acres. Additionally, 800 linear feet of Reclamation Ditch is proposed to be relocated to 937 feet of buried 36-inch or 42-inch reinforced concrete pipe (RCP). The applicant proposes mitigation for the loss of wetlands via purchase of Mitigation credits from the Machine Lakes Mitigation Bank.

C. Reasoning for Certification with General Conditions

A §401 Water Quality Certification with General Conditions was selected for this project, due to the nature of the work, quality of the wetlands proposed to be impacted, and the choice of mitigation. The area of the project is relatively small and it is concentrated to one parcel. The wetlands that are proposed to be filled are of low quality and likely formed from the construction of a drainage ditch onsite. Lastly, the site will be mitigated up from via the purchase of Mitigation credits from the Machine Lakes Mitigation Bank.

II. Certification Conditions

A. General Conditions

1. Good Housekeeping

- a. Applicant and their subcontractors shall ensure that all workers involved are continuously aware of the water quality protection measures before the start and during the construction period.
- b. Retain a copy of this §401 Certification and its affiliated USACE 404 Permit onsite.

2. Stormwater and BMPs

- a. Water quality standards in associated water resources could be violated unless appropriate Best Management Practices (BMPs) are incorporated to minimize the erosion-sediment and nutrient load to any adjacent waters during project construction. The applicant shall not use any fill material which may leach organic chemicals (e.g. discarded asphalt), noxious weeds/seeds or nutrients (e.g., phosphate rock) into waters of the State.
- b. Construction activities that disturb one acre or more, or are part of a common plan of development, are required to obtain coverage under the Utah Pollutant Discharge Elimination System (UPDES) Stormwater General Permit for Construction Activities, Permit No. UTR300000^[1]. The permit requires the development of a Storm Water Pollution Prevention Plan (SWPPP) to be implemented and updated from the commencement of any soil disturbing activities at the site, until final stabilization of the project. The SWPPP should include, but not limited to, final site maps and legible plans, location of stormwater outfalls/discharges, as well as information pertaining to any stormwater retention requirements.
- c. Dewatering activities, if necessary during construction, may require coverage under the UPDES General Permit for Construction Dewatering, Permit No. UTG070000^[2]. The permit requires water quality monitoring every two weeks to ensure that the pumped water is meeting permit effluent limitations, unless water is contained onsite.

¹Link: <https://documents.deq.utah.gov/water-quality/permits/updes/DWQ-2017-003485.pdf>

² Link: <https://deq.utah.gov/legacy/permits/water-quality/utah-pollutant-discharge-elimination-system/docs/utg070000.pdf>

- d. A project within a Municipal Separate Storm Sewer System (MS4) jurisdiction, must comply with all the conditions required in that UPDES MS4 Permit and associated ordinances. No condition of this 401 Certification shall reduce or minimize any requirements provided in the MS4 Permit. In the case of conflicting requirements, the most stringent criteria shall apply.
- e. Utah Administrative Code R317-2 requires that the Applicant cannot increase water turbidity by 10 NTUs. If violated shall immediately notify the DWQ. A fact sheet describing the Utah Department of Environmental Quality's (DEQ) recommended environmental BMPs for construction sites are located on our web site [³].

3. Spills

- a. Refueling equipment and storage of lubricants and fuels will occur at designated staging areas and in state approved containers. The storage and refueling areas will be at least 500 feet from the edge of the nearest waterbody (including wetlands), at least 200 feet from the nearest private water supply well, and at least 100 feet from the nearest municipal water supply well.
- b. Utah Annotated Code 19-5-114 requires that any spill or discharge of oil or other substances which may cause pollution to waters of the State, including wetlands, must be immediately reported to the Utah DEQ Spill Hotline at (801) 536-4123, a 24-hour phone number.

³Link: <https://deq.utah.gov/legacy/businesses/business-assistance/construction/index.htm>

III. Aquatic Resource Impacts

All Waters of the State of Utah (defined in Administrative Code (UAC) R317-1-1) are protected from pollutant discharges that affect water quality by narrative standards (see UAC R317-2-7.2); broadly, discharges should not become offensive or cause undesirable conditions in human health effects of aquatic life. In addition, some particularly sensitive classes of water are further protected from deleterious effects of specific pollutants by application of numeric criteria to designated (beneficial) uses of that water body. Listed below are the water features within the project area and their associated designated beneficial uses (see UAC R317-2-6):

A. Impacts to Linear Water Features

1. Rudy Drain

- a. Class 2B: Protected for infrequent primary contact recreation. Also protected for secondary contact recreation where there is a low likelihood of ingestion of water or a low degree of bodily contact with the water. Examples include, but are not limited to, wading, hunting, and fishing;
- b. Class 3E: Severely habitat-limited waters. Narrative standards will be applied to protect these waters for aquatic wildlife;
- c. Class 4: Protected for agricultural uses including irrigation of crops and stock watering.

B. Impacts to Wetlands

1. Palustrine Emergent Wetlands

- a. Class 2B: As described above;
- b. Class 3D: Protected for waterfowl, shore birds and other water-oriented wildlife not included in Classes 3A, 3B, or 3C, including the necessary aquatic organisms in their food chain.

IV. Modifications

- A. Without limiting DWQ's discretion to take other actions in accordance with UAC R317-15, and, as applicable, 33 USC 1341, DWQ may modify the Certification to add, delete, or modify the conditions in this Certification as necessary and feasible to address:
1. Adverse or potential adverse project effects on water quality of designated beneficial uses that did not exist or were not reasonably apparent when this certification was issued;
 2. TMDLs;
 3. Changes in Water quality standards;
 4. Any failure of Certification conditions to protect water quality or designated uses when the Certification was issued; or
 5. Any change in the Project or its operations that will adversely affect water quality of designated beneficial uses when this Certification was issued.

V. Other Information

A. Fees

1. The legislatively-mandated fee for the 2019 fiscal year is \$100.00/hour, for review and issuance of the §401 Water Quality Certification [⁴]. A quarterly invoice will be sent once plans have been approved. Your payment is due within 30 days.

B. Liabilities

1. Applicant must acquire all necessary easements, access authorizations and permits to ensure they are able to implement the project. This §401 Certification does not convey any property rights or exclusive privileges, nor does it authorize access or injury to private property.
2. This §401 Certification does not preclude the applicant's responsibility of complying with all applicable Federal, State or local laws, regulations or ordinances, including water quality standards. Permit coverage does not release the applicant from any liability or penalty, should violations to the permit terms and conditions or Federal or State Laws occur.

⁴Link: <https://documents.deq.utah.gov/admin/2019-fee-schedule.pdf>

VI. Public Notice and Comments

A. Public Notice Dates

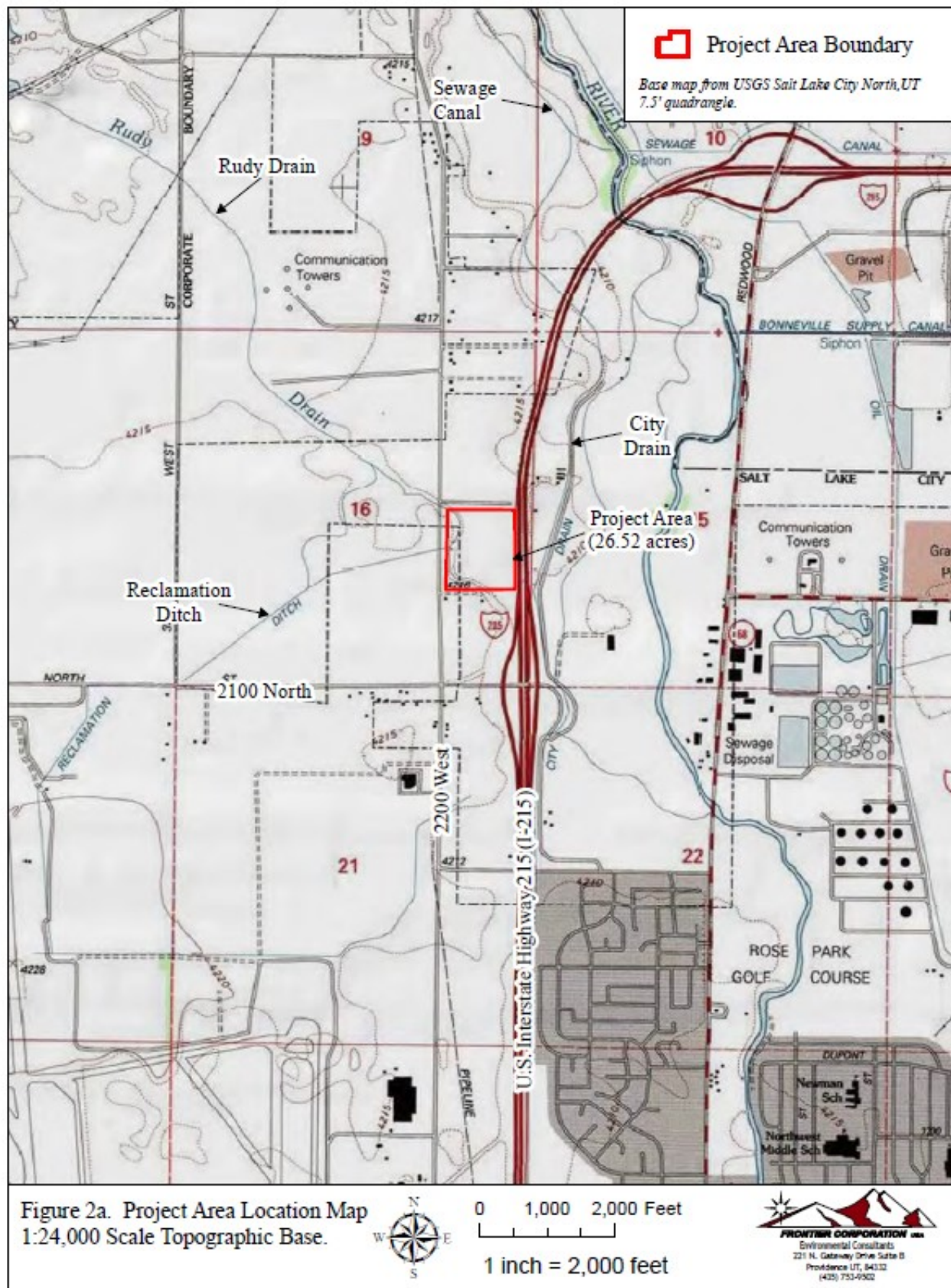
1. USACE LOP: No Public Notice
2. Utah DEQ Certification No. DWQ-2019- 05002:

B. Public Notice Comments/Response

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Appendix A: Site Location

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Appendix B: Wetland Delineation Survey Area

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**Figure 3b. Wetland Delineation Survey Map -
Aerial Base**

- ▮ PROJECT AREA BOUNDARY
- ▲ OHWM CROSS-SECTION
- DELINEATION SAMPLE POINT
- ▬ RECLAMATION DITCH
- ▬ DELINEATED WETLAND
- ▬▬▬ ROAD DITCH
- P1 ↗ PHOTO POINT AND VIEW DIRECTION
- ▬ IRRIGATION CULVERTS

WATERS OF THE U.S. DELINEATED

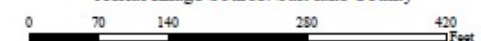
Wetlands	Type	Area (acres)	
Wetland A	Palustrine emergent seasonally flooded excavated	0.190	
Wetland B	Palustrine emergent seasonally flooded excavated	0.062	
Wetland C	Palustrine emergent seasonally flooded	0.057	
Wetland D	Palustrine emergent seasonally flooded	0.010	
Total		0.319	
Water Bodies	Type	Area (Acres)	Length (linear ft.)
Reclamation Ditch	Man-made irrigation canal	0.338	801
Road Ditch	Man-made stormwater	0.032	473

Map Date: March 14, 2019

Map Preparer: K. Schmid

Aerial Imagery Date: October 1, 2017

Aerial Image Source: Salt Lake County



1 inch = 150 feet



FRONTIER CORPORATION INC.
Environmental Consultants
221 N. Gateway Drive Suite B
Providence UT, 84332
(435) 753-9502

Appendix C: Site Development Plan

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